FLAT TV

SEE EVERY THING EXPERIENCE EVERY THING

PHILIPS

Information for users in the UK

(Not applicable outside the UK)

Positioning the TV

For the best results, choose a position where light does not fall directly on the screen, and at some distance away from radiators or other sources of heat. Leave a space of at least 5 cm all around the TV for ventilation, making sure that curtains, cupboards etc. cannot obstruct the air flow through the ventilation apertures.
The TV is intended for use in a domestic environment only and should never be operated or stored in excessively hot or humid atmospheres.

General Points

Please take note of the section 'Tips' at the end of this booklet.

Interference

The Department of Trade and Industry operates a Radio Interference Investigation Service to help TV license holders improve reception of BBC and IBA programmes where they are being spoilt by interference.
If your dealer cannot help, ask at a main Post Office for the booklet "How to improve Television and Radio Reception".

Mains connection

Before connecting the TV to the mains, check that the mains supply voltage corresponds to the voltage printed on the type plate on the rear panel of the TV. If the mains voltage is different, consult your dealer.

Important

This apparatus is fitted with an approved moulded 13 Amp plug.
To change a fuse in this type of plug proceed as follows :
1. Remove fuse cover and fuse.
2. Fit new fuse which should be a BS1362 5A, A.S.T.A. or BSI approved type.
3. Refit the fuse cover.

In order to maintain conformity to the EMC directive, the mains plug on this product must not be removed.

Connecting the aerial

The aerial should be connected to the socket marked x at the back of the set. An inferior aerial is likely to result in a poor, perhaps unstable picture with ghost images and lack of contrast. Make-shift or set-top aerials are unlikely to give adequate results.
Your dealer will know from experience the most suitable type for your locality.
Should you wish to use the set in conjunction with other equipment, which connects to the aerial socket such as TV games, or a video camera, it is recommended that you consult your dealer on the best method of connection.

Stand *(if provided)*

Use only the stand provided with the set, making sure that the fixings are properly tightened. A diagram showing how to assemble the stand is packed with the stand. Never use a make-shift stand, or legs fixed with woodscrews.

Help?

If this instruction manual does not give an answer or if 'Tips' do not solve your TV problem, you can call your Local Philips Customer or Service Centre. See the supplied World-wide guarantee booklet.
Please, have the Model and Product number which you can find at the back of your television set or on the packaging, ready, before calling the Philips helpline.

Model: 30/37/42PF9946 Product No:

Care of the screen

Do not touch, push or rub or strike the screen with anything hard as this may scratch, mar or damage the screen permanently. Do not rub with dust clothes with chemical treatment. Do not touch the surface with bare hands or greasy cloth (some cosmetics are detrimental to the screen). Unplug the TV before cleaning the screen. When the surface becomes dusty, please wipe gently with absorbent cotton or other soft materials like chamois soaks. Do not use acetone, toluene and alcohol because they cause chemical damage.
Do not use liquid cleaners or aerosol cleaners. Wipe off saliva or water drops as soon as possible. Their long time contact with the screen causes deformations and colour fading.

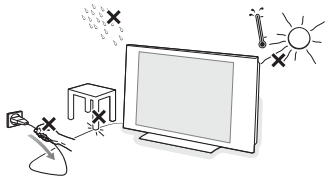
Warning concerning stationary images on the TV screen

A characteristic of Plasma Display Panels is that displaying the same image for a long time can cause a permanent after-image to remain on the screen. This is called phosphor burn in.
Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen.

Preparation

❶ **Wall mounting instructions/Table stand**
According to the type of TV you've purchased a wall mount bracket and/or stand may be supplied. How to mount the supplied stand and/or wall mount bracket, see the supplied separate leaflet. Make sure that the wall mount is being fixed securely enough so that it meets safety standards.
The weight of the TV (excl. packaging) is about 18 kg (30PF9946); 30 kg (37PF9946); 42 kg (42PF9946).
Note: Other (not supplied) stands are optional accessories. Consult your dealer.

❷ Make sure that air can circulate freely through the ventilation slots.

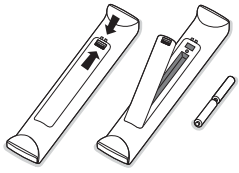


To prevent any unsafe situations, no naked flame sources, such as lighted candles, should be placed on or in the vicinity. Avoid heat, direct sunlight and exposure to rain or water. The equipment shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on it.

❸ Insert the aerial plug firmly into the aerial socket ⊓ at the bottom of the TV. For best picture quality use the suppressor-aerial cable supplied.

❹ Insert the mains cord supplied into the mains at the bottom of the TV and in the wall socket having a mains voltage of 198-264V.
To prevent damaging the power (AC) cord which could cause a fire or electric shock, do not place the TV on the cord.

❺ **Remote control**: Insert the 2 batteries supplied (Type R6-1,5V).



The batteries supplied do not contain the heavy metals mercury and cadmium. Please check on how to dispose of exhausted batteries according to local regulations.

❻ **Switch the TV on** : Press the power switch ⏻ at the right side of the TV.
An indicator on the front of the TV lights up and the screen comes on. If the TV is in standby mode (red indicator), press the **-P+** keys or the ⏻ key on the remote control.

To use the menus

1. Press the **MENU** key on the remote control to summon the main menu. At any moment you can exit the menu by pressing the **MENU** key again.
2. Use the cursor up/down to select **Picture**, **Sound**, **Features**, **Install** or **Mode**.
3. Use the cursor in the right direction to select the menu item.
4. Use the cursor up/down again to select the control you want to select or to adjust.

Note: Items temporary not available or not relevant are displayed in a light grey colour and cannot be selected.

TV menu

TV Menu	**Picture**	
Picture ▶	Brightness ▶	◂▬●▬▸
Sound	Colour	
Features	Contrast	
Install	Sharpness	
Mode	Colour Temp	
	Store	

Picture menu:

- **Brightness**: this changes picture brilliance.
- **Colour**: this changes the intensity of the colour.
- **Contrast**: this changes the difference between the light and dark tones.
- **Sharpness**: this changes the picture definition.
- **Colour Temp**: this changes the colour rendering: **Cool** (more blue), **Normal** (balanced) or **Warm** (more red).
- **Store**: to store the picture adjustments and settings (as well as the settings for **Contrast+** and **NR** in the Features menu).

TV Menu	**Sound**	
Picture	Equalizer ▶	120 Hz
Sound ▶	Balance	500 Hz
Features	Delta Volume	1500 Hz
Install	AVL	....
Mode	Virtual Dolby	
	Store	

Sound menu:

- **Equalizer**: to adjust the sound tone (from bass 120 Hz to treble 10 kHz).
- **Balance**: this balances the sound on the left and right speakers.
- **Delta Volume**: this is used to compensate any volume discrepancies between the different programmes or externals. This setting is available for programmes 0 to 40 and the **EXT** connections.
- **AVL** (Automatic Volume Leveller): this is used to limit increases in sound, especially on programme change or advertising slots.
- **Virtual Dolby**: simulates the surround sound experience from 2 speakers using Dolby Pro Logic* providing the listener with the sensation of being surrounded by additional speakers.
- **Store**: this is used to store the sound settings.

TV Menu	**Features**	
Picture	Timer ▶	Sleep
Sound	Contrast+	Time
Features ▶	NR	Start Time
Install		Stop Time
Mode		Program No.
		Activate

Features menu:

- **Timer**: see p. 8.
- **Contrast+**: automatic adjustment of the picture contrast which permanently sets the darkest part of the picture to black.
- **NR**: attenuates picture noise (snow) in difficult reception conditions.

*Caution: to store the **Contrast+** and **NR** settings, use the **Store** choice in the Picture menu.*

Install menu: see p. 7

Use of the remote control RC4333

Note: For most keys pressing a key once will activate the function. Pressing a second time will de-activate it.
Remark: in VGA mode only some keys are valid.

VCR DVD TV SAT AMP

See 'Audio- and Video equipment keys', p. 10.

Select your peripherals

See p. 6.

▶▶ ● ◀◀ ■ ▶ ❚❚
Audio and Video equipment keys.

TV / PC

Press one of these keys to switch the television between TV or PC mode.

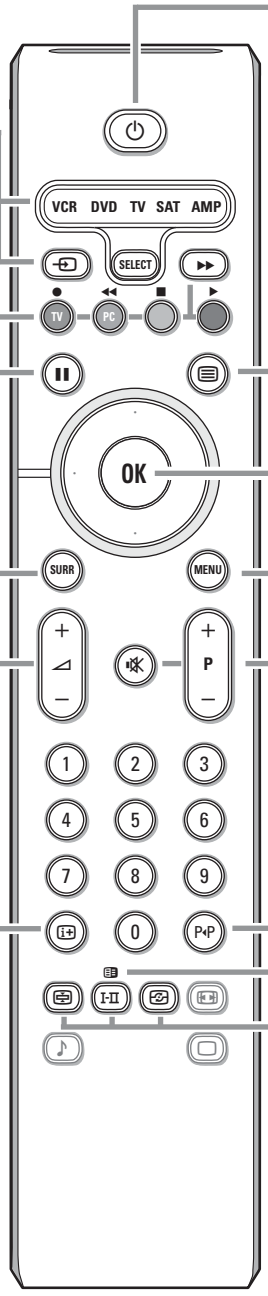
SURR Surround sound

To activate/deactivate the surround sound effect. In stereo, this gives the impression that the speakers are further apart. For models equipped with Virtual Dolby Surround, you can obtain Dolby Surround Pro Logic* sound quality. In mono, a stereo spatial effect is simulated.
Note: You can make the same selection in the Sound menu, Virtual Dolby.

To adjust the volume.

On Screen information

To display/remove the programme number, the time, the sound mode and the time remaining on the timer.
Hold down for 5 seconds to permanently display the programme number on the screen. The volume level and the smart control adjustments are then displayed each time they are used.



Standby

Press to switch the TV on or off.

Teletext On/Mix/Off, see p. 9.

Colour keys, see Teletext.

OK Press this key to display the programme list.

MENU Main menu on/off

Interrupt the sound or restore it.

P Programme selection

To move up or down a programme. The number and the sound modes are displayed for a few seconds.
For some TV programmes the title of the programme appears at the bottom of the screen.

0/9 Digit keys

To select a TV channel.
For a two digit programme number, enter the second digit before the dash disappears. To switch immediately to a selected one digit TV channel, keep the digit key pressed a bit longer.

P↩P Previous TV channel

Press to display the previously selected TV channel.

Teletext keys. See p. 9.

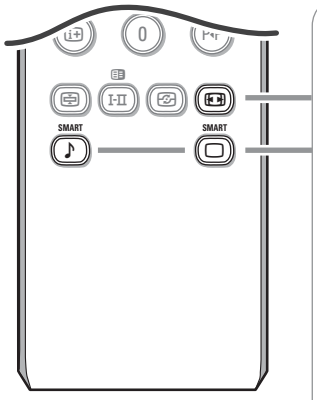
I-II Sound mode

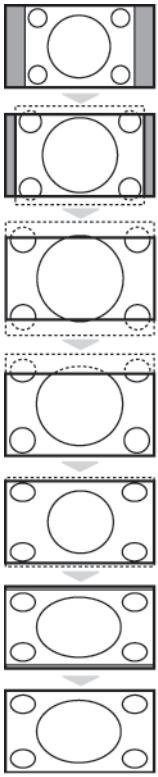
To switch from **Stereo** or **Nicam Stereo** to **Mono**, or to choose between **Dual I** or **Dual II** in case of bilingual transmission.
*When the sound mode is **Mono**, the indication is displayed in red.*

Active control on/off/on with sensor

Optimizes the quality of the picture according to the quality or reception.

** Dolby' 'Pro Logic' and the double-D ◫ symbol are trademarks of Dolby Laboratories Licensing Corporation. Manufactured under license from Dolby Laboratories Licensing Corporation.*





16:9 formats

The pictures you receive may be transmitted in 16:9 format (wide screen) or 4:3 format (conventional screen).
4:3 picture sometimes have a black band at the and the bottom of the screen (letterbox format).
This key allows you to optimise the picture display on screen.

Automatic switching

This TV set is equipped with automatic switching which will select the correct screen format, provided the specific signals are transmitted with the programmes.
This automatic format can also be modified manually;

Using the different formats

Use the cursor left/right to select the different modes: 4:3, Zoom 14:9, Zoom 16:9, Subtitle zoom, Super wide and Wide screen.

4:3

The picture is reproduced in 4:3 format and a black band is displayed on either side of the picture.

Zoom 14:9

The picture is enlarged to 14:9 format, a thin black band remains on both sides of the picture.

Zoom 16:9

The picture is enlarged to 16:9 format. This mode is recommended when displaying pictures which have black bands at the top and bottom (letterbox format).

Subtitle Zoom

This mode is used to display 4:3 pictures using the full surface of the screen leaving the subtitles visible.

Super Wide

This mode is used to display 4:3 pictures using the full surface of the screen by enlarging the sides of the picture.

Widescreen

This mode restores the correct proportions of pictures transmitted in 16:9 using the full screen display.

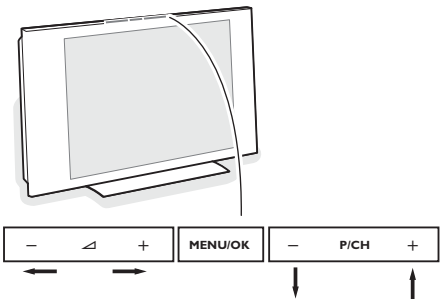
Fullscreen

This mode displays images in full screen.

Smart keys

To select predefined picture and sound settings.
Personal refers to the personal preference settings selected in the sound and picture menu.

Keys on top of the TV

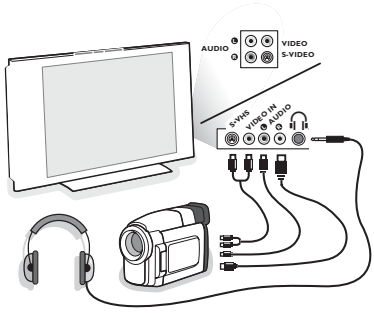


Should your remote be lost or broken you can still change some of the basic settings with the keys on top of your TV.

Press:
- the **-** ⊿ **+** key to adjust the volume;
- the **- P/CH +** key to select the TV channels or sources.

Press the **MENU/OK** key to summon the main menu without the remote control.
Use:
- the ⊿ **+** key and the **- P/CH +** key to select menu items in the directions as shown;
- the **MENU/OK** key to remove the menu.

Camcorder, video games, headphone



Camcorder, Video games

The **AV** and **S-VIDEO** connections are located at the right side of the TV or, for large screen sizes at the bottom; Make the connections as shown opposite.
With the ⊕ key, select **AV**.

*For a monophonic device, connect the audio signal to the **AUDIO L** input. The sound automatically comes out of the left and right speakers of the set.*

Headphone *(only for 30PF9946)*

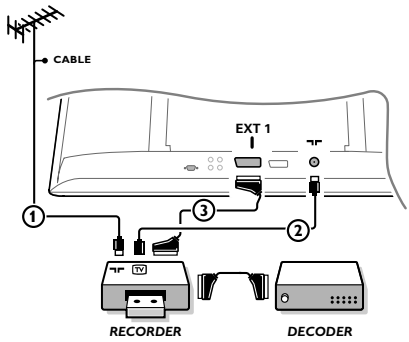
The - ⊿+ keys are used to adjust the volume level.

The headphone impedance must be between 32 and 600 ohms.

Rear connections

Recorder (VCR-DVD+RW)

Note: Do not place your recorder too close to the screen as some recorders may be susceptible to signals from the display. Keep a minimum distance of 0,5 m from the screen.

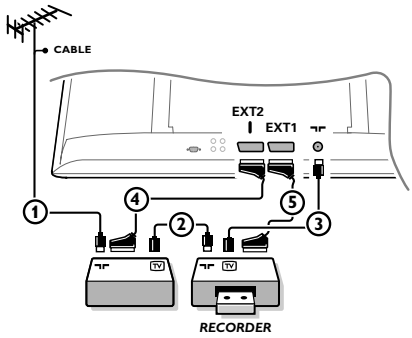


Connect the aerial cables ①, ② and, to obtain the optimum picture quality, eurocable ③ as shown.
If your recorder does not have a euroconnector, the only possible connection is via the aerial cable.
You will therefore need to tune in your recorder's test signal and assign it programme number 0 or store the test signal under a programme number between 90 and 99, see Manual store, p. 7.
See the handbook of your recorder.

Decoder and Recorder

Connect a eurocable ④ to your decoder and to the special euroconnector of your recorder. See also the recorder handbook. You can also connect your decoder directly to **EXT1** or **2** with a eurocable.

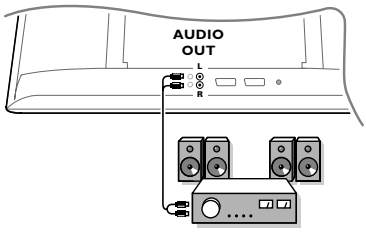
Other equipment (satellite receiver, decoder, DVD, games, etc.)



Connect the aerial cables ①, ② and ③ as shown (only if your peripheral has TV aerial in-/output). Connect your equipment with a eurocable ④ or ⑤ to one of the euroconnectors **EXT1** or **2** to obtain a better picture quality.

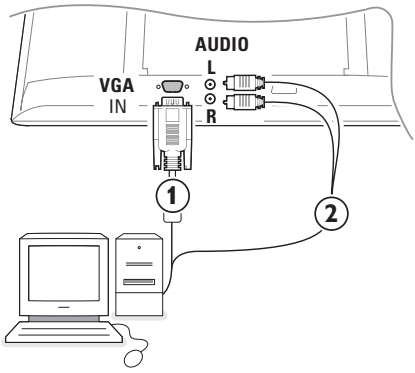
Connect the equipment which produces the RGB signals (digital decoder, games, etc.) to **EXT1**, and the equipment which produces the S-VHS signals (S-VHS and Hi-8 video recorders, certain DVD drives) to **EXT2** and all other equipment to either **EXT1** or **EXT2.**

Amplifier



To connect to a hi-fi system, use an audio connection cable and connect the **L** and **R AUDIO** outputs on the TV set on the **AUDIO IN L** and **R** input on your hi-fi amplifier.

Connect your computer



❶ Connect one end of a VGA cable ① to the video card of the computer and the other end to the **VGA IN** connector at the bottom of the TV.
Fix the connectors firmly with the screws on the plug.

❷ In case of a Multimedia computer, connect the audio cable ② to the audio outputs of your Multimedia computer and to the **AUDIO R** (right) and **L** (left) inputs.

The **VGA** connector allows the following TV and monitor display modes:

VGA	640 x 480	60 Hz
SVGA	800 x 600	60 Hz
XGA	1024 x 768	60 Hz
WXGA	1280 x 768	60 Hz

Note:
Use the XGA1024x768@60Hz video mode to obtain the best image quality for your LCD monitor (30PF9946 only).
Use the WXGA1280x768@60Hz video mode to obtain the best image quality for your PDP monitor (37/42PF9946 only).

To select connected equipment

Press the ⇥ key on the remote control repeatedly to select **EXT1**, **EXT2** (S-VHS signals from the **EXT2** connector) or **AV** according to where you connected your equipment.

Remark : Most equipment (decoder, recorder) carries out the switching itself, when it is switched on.

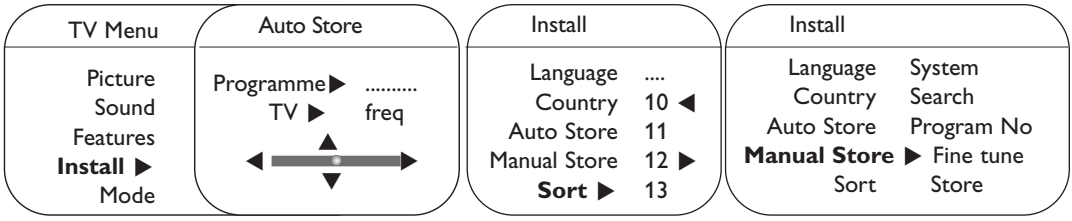
How to search for and store TV channels

Via Plug & Play

Keep the **MENU/OK** key on top of the TV pressed for 5 seconds to start the Plug & Play installation. Select your country and language. Tuning starts automatically.

Via the TV menu:

1. Press the **MENU** key on the remote control.
2. Use the cursor up/down to select **Install**.
3. Press the cursor right to enter the Install menu.
4. Use the cursor left/right to select your language.
5. Press the cursor down to select **Country**.
6. Use the cursor left/right to select your country.
   Note: Select **"....."** *when none of the countries applies.*



Auto store

1. Select **Auto Store** in the Install menu. The autostore option label **Start** appears.
2. Press the cursor right.
3. The progress of autoprogramming is displayed.

If a cable system or a TV channel which broadcasts ACI (Automatic Channel Installation) is detected, a programme list appears. Without ACI broadcast, the channels are numbered according your language and country selection. You can use the Sort menu to renumber them.

It is possible that the cable company or the TV channel displays a broadcast selection menu. Layout and items are defined by the cable company or the TV channel.

Sorting TV channels

1. Select **Sort** in the Install menu and press the cursor right
2. Select the TV channel you want to move using the cursor up/down and press cursor right.
3. Select the new number and validate with the cursor left.
4. Repeat steps 2 and 3 for each TV channel you wish to renumber.
5. To exit the menus, press the **MENU** key repeatedly.

Manual store

Searching for and storing TV channels is done channel by channel. You must go through every step of the Manual Installation menu.

1. Select **Manual Store** in the Install menu and press the cursor right to enter.
2. **Select the TV system**:
   Select the country or part of the world from where you want to receive the TV channel. If you are connected to a cable system, select your country or part of the world where you are now located.
   Note: for automatic detection select Europe (except for France).
3. **Search for a TV channel**:
   Press the cursor down to select **Search** and press the cursor right to start searching.

   Direct selection of a TV channel:
   If you know the frequency, enter it directly with the digit keys 0 to 9. Ask for a list from your cable company or dealer, alternatively consult the Table of frequencies on the inside backcover of this handbook.
4. Press the cursor down and enter the programme number with the digit keys.
5. **Fine tune**:
   In case of poor reception, you can improve the reception by adjusting the frequency with the cursor left/right.
6. To store your TV channel, select **Store** and press the cursor right. Repeat steps 3 to 5 to store another TV channel.
7. To exit from the menu press the **MENU** key on the remote control.

Features menu

Timer

This menu lets you use the TV set as an alarm.

1. Press the **MENU** key.
2. With the cursor, select **Features**, then **Timer**.
3. **Sleep**: to select an automatic standby period.
4. **Time**: enter the current time.
   Note: the time is updated automatically each time the TV set is switched on via the teletext information on programme 1. If the programme does not have teletext, the update will not take place.
5. **Start Time**: enter the start time.
6. **Stop Time**: enter the standby time.
7. **Program No.**: enter the number of the programme for the wake-up alarm.
8. **Activate**: the settings include:
   • **Once** for a single alarm;
   • **Daily** for each day,
   • **Off** to cancel.
9. Press the ⏻ key on the remote control to put the TV set in standby. It will automatically come on at the time programmed. If you leave the TV set on, it will just change programmes at the time entered (and will go to standby mode at the Stop Time).

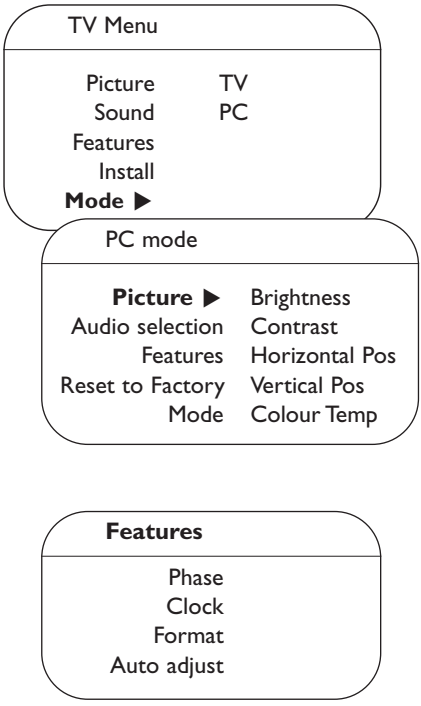
Using in PC monitor mode

Your TV can be used as a computer monitor.
You must first of all connect the computer and adjust the resolution (see p. 6).

Choosing PC mode

Press the **PC** key on the remote control to switch the TV to PC mode. Press the **TV** key to return to TV mode. If there is no PC signal for more than five seconds, the TV automatically goes into standby mode.

Using the PC menus



Press the **MENU** key to access the specific settings of the PC monitor mode. Use the cursor keys to adjust them (the settings are automatically saved).

Picture

- **Brightness/Contrast**: to adjust the brightness and contrast.
- **Horizontal/Vertical Position**: to adjust the horizontal and vertical placing of the image.
- **Colour Temperature**: to adjust the colours (cool, normal or warm).

Audio selection

To choose the sound reproduced on the TV (**PC** or **TV**).

Features

- **Phase/Clock**: eliminates the horizontal (**Phase**) and vertical (**Clock**) interfering lines.
- **Format**: to choose between large screen (**Full screen**) or the original (**Native**) format of the PC screens.
- **Auto adjust**: position is set automatically.

Reset to Factory

To return to the factory settings

Mode

To come back to TV mode.

Teletext

Teletext is an information system broadcast by certain channels which can be consulted like a newspaper. It also offers access to subtitles for viewers with hearing problems or who are not familiar with the transmission language (cable networks, satellite channels, etc.).

Press:		You will obtain:
	Teletext on/off	This is used to call teletext, change to transparent mode and then exit. The summary appears with a list of items that can be accessed. Each item has a corresponding 3 digit page number. *If the channel selected does not broadcast teletext, the indication 100 will be displayed and the screen will remain blank (in this case, exit teletext and select another channel).*
0/9 -P+	**Selecting a page**	Enter the number of the page required using the 0 to 9 or **-P+** keys. Example: page 120, enter 1 2 0. The number is displayed top left, the counter turns and then the page is displayed. Repeat this operation to view another page. *If the counter continues to search, this means that the page is not transmitted. Select another number.*
OOOO	**Direct access to the items**	Coloured areas are displayed at the bottom of the screen. The 4 coloured keys are used to access the items or corresponding pages. *The coloured areas flash when the item or the page is not yet available.*
	Contents	This returns you to the contents page (usually page 100).
cursor up/down	**Enlarge a page**	This allows you to display the top or bottom part of the page and then return to normal size.
I-II	**Double page teletext**	To activate or deactivate the double page teletext display mode. The active page is displayed on the left and the following page is displayed on the right. Press if you want to hold a page (i.e. the contents page). The active page is then displayed on the right. To return to normal mode, press I-II.
MENU OOOO	**Favourite pages**	Instead of the standard coloured areas displayed at the bottom of the screen, you can store 4 favourite pages on the first 40 channels which can then be accessed using the coloured keys (red, green, yellow, blue). Once set, these favourite pages will become the default every time teletext is selected. ❶ Press the **MENU** key to change the favourite pages mode. ❷ Display the teletext page that you want to store. ❸ Press the coloured key of your choice for 5 seconds. The page is stored. ❹ Repeat steps ❷ to ❸ for the other coloured keys. ❺ Now when you consult teletext, your favourite pages will appear in colour at the bottom of the screen; to temporally retrieve the standard items, press menu. *To clear everything and return to the standard items as the default, press for 5 seconds.*

Audio- and video equipment keys

This system remote control operates the following Philips equipment: TV, VCR, DVD, SAT (RC5), AMP (+TUNER).

Press the **Select** key to operate any of the equipment indicated in the display.
Another device can be selected by pressing **Select** repeatedly within 2 seconds.
The led will blink slowly to indicate the device.
Press one of the keys on the remote control to operate the peripheral equipment.
To return to TV mode press **Select** while the led is blinking.
When no action is taken within 60 seconds, the remote goes back to TV mode.

*Note: When the **Select** key is pressed and held for more than 2 seconds, the RC5/RC6 system select command is transmitted.*

⏻ to switch to standby

⏸ for pause (**VCR**, **DVD**, **CD**)
RDS news/TA (**AMP**);
to shuffle play (**CD/R**)

● for record

◀◀ for rewind (**VCR**, **CD**);
search down (**DVD**, **AMP**)

■ for stop

▶ for play

▶▶ for fast forward (**VCR**, **CD**);
search up (**DVD**, **AMP**)

☰ RDS display (**AMP**);
to select your choice of subtitle language (**DVD**);

i+ display information

MENU to switch the menu on or off

- P + for chapter, channel, track selection

0 to 9 digit entry

P◂P tape index (**VCR**),
select a DVD title/chapter,
select a frequency (**AMP**)

cursor up/down
to select the next or the previous disc (**CD**)

cursor left/right
to select the previous or following track (**CD**)
search up/down (**AMP**)

Tips

Poor Picture	• Have you selected the correct TV system in the manual installation menu? • Is your TV or house aerial located too close to loudspeakers, non-earthed audio equipment or neon lights, etc.? • Mountains or high buildings can cause double pictures or ghost images. Sometimes you can improve the picture quality by changing the direction of the aerial. • Is the picture or teletext unrecognisable? Check if you have entered the correct frequency. See Store TV channels, Manual store,p. 7.
No Picture	• Are the supplied cables connected properly ? (The aerial cable to the TV, the other aerial to your recorder, the VGA cables to the display, the power cables.) • Is your PC switched on ? • Do you see a black screen and the indicator in front of the TV lights up green, this means that the display mode is not supported. Switch your VGA-source to a correct mode. • In case of weak or bad signal, consult your dealer.
Digital distortion	The low quality of some digital picture material may be the cause of digital image distortion. In this case select the Soft setting using the Smart picture key ▢ on the remote control.
No sound	• No sound on any channel? Check the volume isn't at minimum. • Is the sound interrupted with the mute key 🔇?
No solution found for your picture or sound problem ?	Switch your TV off and then on again once. Never attempt to repair a defective TV yourself. Check with your dealer or call a TV technician.
Menu	Have you selected the wrong menu? Press the **MENU** key again to exit from the menu.
Remote control	• Check if the remote control is in the correct mode. • If your TV no longer responds to the remote control, the batteries may be dead. • You can still use the **MENU/OK** key and the -/+ keys on top of your TV.
Standby	Your TV consumes energy in the standby mode. Energy consumption contributes to air and water pollution. Power consumption: >3 W.
Miscellaneous	. Ambient temperature: + 5~ + 40°C . Mains: 50/60 Hz Auto Voltage ranging from 198 V to 264 V . Power consumption: around 160 W . Standby consumption: >3 W . Weight (excl. packaging): 30": 18 kg; 37": 30 kg; 42": 42 kg . Dimensions (wxhxd): 30": 895x490x110; 37": 1130x600x85; 42": 1215x660x90

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Zoznam frekvenčných pásiem vysielačov.

EUROPE	
CH	FREQ (MHz)
E2	48.25
E3	55.25
E4	62.25
E5	175.25
E6	182.25
E7	189.25
E8	196.25
E9	203.25
E10	210.25
E11	217.25
E12	224.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

E-EUROPE	
CAN.	FREQ (MHz)
R1	49.75
R2	59.25
R3	77.25
R4	85.25
R5	93.25
R 6	175.25
R 7	183.25
R 8	191.25
R 9	199.25
R10	207.25
R11	215.25
R12	223.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

FRANCE	
CAN.	FREQ (MHz)
2	55.75
3	60.50
4	63.75
5	176.0
6	184.0
7	192.0
8	200.0
9	208.0
10	216.0
B	116.75
C	128.75
D	140.75
E	159.75
F	164.75
G	176.75
H	188.75
I	200.75
J	212.75
K	224.75
L	236.75
M	248.75
N	260.75
O	272.75
P	284.75
Q	296.75
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

ITALY	
CAN.	FREQ (MHz)
A	53.75
B	62.25
C	82.25
D	175.25
E	183.75
F	192.25
G	201.25
H	210.25
H1	217.25
S1	105.25
S2	112.25
S3	119.25
S4	126.25
S5	133.25
S6	140.25
S7	147.25
S8	154.25
S9	161.25
S10	168.25
S11	231.25
S12	238.25
S13	245.25
S14	252.25
S15	259.25
S16	266.25
S17	273.25
S18	280.25
S19	287.25
S20	294.25
H1	303.25
H2	311.25
H3	319.25
H4	327.25
H5	335.25
H6	343.25
H7	351.25
H8	359.25
H9	367.25
H10	375.25
H11	383.25
H12	391.25
H13	399.25
H14	407.25
H15	415.25
H16	423.25
H17	431.25
H18	439.25
H19	447.25
21	471.25
22	479.25
23	487.25
24	495.25
25	503.25
26	511.25
27	519.25
28	527.25
29	535.25
30	543.25
31	551.25
32	559.25
33	567.25
34	575.25
35	583.25
36	591.25
37	599.25
38	607.25
39	615.25
40	623.25
41	631.25
42	639.25
43	647.25
44	655.25
45	663.25
46	671.25
47	679.25
48	687.25
49	695.25
50	703.25
51	711.25
52	719.25
53	727.25
54	735.25
55	743.25
56	751.25
57	759.25
58	767.25
59	775.25
60	783.25
61	791.25
62	799.25
63	807.25
64	815.25
65	823.25
66	831.25
67	839.25
68	847.25
69	855.25

GB
The frequencies used by a cable company may differ from the frequencies on the table. Consult your cable company or your dealer for detailed information.

D
In Kabelfernsehanlagen können Abweichungen von den in den Frequenztabellen aufgeführten Frequenzen vorkommen. Bitte wenden Sie sich an Ihren Fachhändler oder Ihre Kabelfernsehgesellschaft, die Ihnen die zutreffenden Frequenzen mitteilt.

F
Les fréquences utilisées par une société de télédistribution peuvent être différentes de celles sur la liste des fréquences. Consultez votre société de télédistribution ou votre revendeur pour des informations plus détaillées.

NL
De frequenties die gebruikt worden door een kabelmaatschappij kunnen verschillen van deze op de tabel. Raadpleeg uw kabelexploitant of uw handelaar voor meer informatie.

I
Le frequenze usate per una società di teledistribuzione possano essere differenti di quelle nella tabella. Consultate la società di teledistribuzione o il vostro rivenditore per informazione specifica.

E
Las frecuencias utilizadas por las empresas de distribución de señal por cable, pueden ser diferentes de las que se encuentran en esta tabla. Consulte con su compañia de distribución de televisión por cable o con su distribuidor para que le proporcionen una información más detallada.

P
As frequências utilizadas por uma sociedade de teledistribuição podem ser diferentes das indicadas na lista de frequências. Consultar a sociedade de teledistribuição ou o vendedor para informações mais detalhadas.

DK
Frekvenser benyttet af kabel operatører kan være afvigende fra disse, kantakt deres kabel operatør eller forhandler for nærmere informa-tion.

N
Frekvensene som benyttes pa et kabelnett kan avvike fra de som er oppfört i tabellen. Kontakt ditt kabel-TV selskap eller din forhandler for nærmere opplysninger.

S
Frekvenserna som används i kabel-TV-näten kan avvika från frekvenserna i tabellen. Kontakta ditt kabel-TV-bolag eller din radiohandlare för vidare information.

SF
Kaapeliyhtiöden käyttämät taajuudet voivat poiketa taulukossa olevista taajuuksista. Tarkat tiedot saat kaapeliyhtiösta tai myyjältä.

GR
Οι συχνότητες που χρησιμοποιούνται από μια εταιρεία τηλεμετάδοσης είναι δυνατόν να είναι διαφορετικές από αυτές που περιέχει ο κατάλογος. (Συμβουλευθείτε την εταιρεία τηλεμετάδοσης ή τον πωλητή για λεπτομερέστερες πληροφορίες).

CEI
Частоты на которых передаёт телакампания могут отличаться от частот на данной таблице. (Обратиться к Вашей телекампании или Вашему продавцу за дополнительной информацией.

H
Egy televizió–adóállomás sugárzáshoz használt frekvenciatar–tományai lehetnek a táblázatban közöltektől eltérőek is. (Abban az esetben, ha bővebb információkra van szüksége, forduljon az eladóhoz.)

PL
Operator sieci telewizyjnej może stosować inne częstotliwości, niż te, które figurują na tablicy (bardziej szczegółowych infor–macji na ten temat zasięgnąć u operatora lub sprzedawcy).

CZ
Frekvence používané některými televizními společnostmi se mohou lišit od údajů uvedených v tomto seznamu. Informujte se blíže u příslušné společnosti nebo v prodejně, kde jste televizor koupili.

SK
Frekvencie používané niektorými spoločnosťami televízneho prenosu sa môžu líšiť od údajov uvedených v tomto zozname. Informujte sa bližšie u príslušnej spoločnosti alebo v predajni, kde ste televízor kúpili.

PHILIPS